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Most Frequently Occurring Classifications of Patents Returned
From A Search of 09982982 on February 17, 2004

Original Classifications

2 29/603.14
2 346/137
2 360/327.31
2 369/13.35
2 369/275.1 ✓

Cross-Reference Classifications

6 428/900
5 428/611
4 346/135.1
4 430/945
3 369/284 ✓
3 427/131
3 428/336
3 428/694TS
2 29/603.15
2 235/449
2 360/122
2 360/59
2 369/275.4 ✓
2 369/286
2 369/287
2 369/288
2 369/94
2 427/132
2 428/678
2 428/694BA
2 428/694BM
2 428/694T
2 428/694TM
2 428/913
2 430/270.12
2 430/964

Combined Classifications

6 428/900
5 346/135.1
5 428/611
4 369/284
4 427/131
4 428/694TS
4 430/945
3 29/603.14

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3 360/59
3 369/275.4
3 428/336
2 29/603.15
2 235/449
2 250/306
2 340/572.6
2 346/137
2 360/122
2 360/322
2 360/324.12
2 360/327.31
2 369/126
2 369/13.35
2 369/275.1 ✓
2 369/275.3 ✓
2 369/286
2 369/287
2 369/288
2 369/94
2 427/132
2 428/678
2 428/694BA
2 428/694BM
2 428/694T
2 428/694TM
2 428/913
2 430/270.12
2 430/964

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Titles of Most Frequently Occurring Classifications of Patents Returned
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- 6 428/900 (0 OR, 6 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/900 MAGNETIC FEATURE
- 5 346/135.1 (1 OR, 4 XR)
Class 346 : RECORDERS
346/134 RECORD RECEIVERS AND/OR DRIVING MEANS THEREFOR
346/135.1 .Laminated, impregnated, or coated bases
- 5 428/611 (0 OR, 5 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/544 ALL METAL OR WITH ADJACENT METALS
428/611 .Having magnetic properties, or preformed fiber
r orientation coordinate with shape
- 4 369/284 (1 OR, 3 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/272 STORAGE MEDIUM STRUCTURE
369/283 .Layered (e.g., permanent protective layer)
369/284 ..Radiation beam modified or controlling (e.g.
photosensitve, optical track)
- 4 427/131 (1 OR, 3 XR)
Class 427 : COATING PROCESSES
427/127 MAGNETIC BASE OR COATING
427/128 .Magnetic coating
427/131 ..Applying superposed diverse coating or
coating a coated base
- 4 428/694TS (1 OR, 3 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/688 .Of inorganic material
428/689 ..Metal-compound-containing layer
428/692 ...Defined magnetic layer
428/694RDynamic recording medium
428/694TMetal thin film magnetic layer
428/694TSSpecified subbing or underlayer
- 4 430/945 (0 OR, 4 XR)

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Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
COMPOSITION, OR PRODUCT THEREOF
430/945 LASER BEAM

3 29/603.14 (2 OR, 1 XR)

Class 029 : METAL WORKING
29/592 METHOD OF MECHANICAL MANUFACTURE
29/592.1 .Electrical device making
29/602.1 ..Electromagnet, transformer or inductor
29/603.01 ...Magnetic recording reproducing transducer
(e.g., tape head, core, etc.)
29/603.07Fabricating head structure or component
thereof
29/603.09Including measuring or testing
29/603.13Depositing magnetic layer or coating
29/603.14Plural magnetic deposition layers

3 360/59 (1 OR, 2 XR)

Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
360/55 GENERAL RECORDING OR REPRODUCING
360/59 .Thermomagnetic recording or transducers

3 369/275.4 (1 OR, 2 XR)

Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/272 STORAGE MEDIUM STRUCTURE
369/275.1 .Optical track structure (e.g., phase or
diffracting structure, etc.)
369/275.4 ..Pit/bubble/groove structure specifies

3 428/336 (0 OR, 3 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/221 WEB OR SHEET CONTAINING STRUCTURALLY DEFINED
ELEMENT OR COMPONENT
428/332 .Physical dimension specified
428/334 ..Coating layer not in excess of 5 mils thick
or equivalent
428/335 ...Up to 3 mils
428/3361 mil or less

2 29/603.15 (0 OR, 2 XR)

Class 029 : METAL WORKING
29/592 METHOD OF MECHANICAL MANUFACTURE
29/592.1 .Electrical device making
29/602.1 ..Electromagnet, transformer or inductor
29/603.01 ...Magnetic recording reproducing transducer
(e.g., tape head, core, etc.)
29/603.07Fabricating head structure or component

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thereof

29/603.09 Including measuring or testing
29/603.13 Depositing magnetic layer or coating
29/603.15 With etching or machining of magnetic
material

2 235/449 (0 OR, 2 XR)

Class 235 : REGISTERS
235/435 CODED RECORD SENSORS
235/439 . Particular sensor structure
235/449 .. Magnetic

2 250/306 (1 OR, 1 XR)

Class 250 : RADIAN ENERGY
250/306 INSPECTION OF SOLIDS OR LIQUIDS BY CHARGED
PARTICLES

2 340/572.6 (1 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/540 . Specific condition
340/568.1 .. Article placement or removal (e.g.,
anti-theft)
340/572.1 ... Detectable device on protected article
(e.g., "tag")
340/572.6 Having "soft" magnetic element (e.g.,
Permalloy)

2 346/137 (2 OR, 0 XR)

Class 346 : RECORDERS
346/134 RECORD RECEIVERS AND/OR DRIVING MEANS THEREFOR
346/137 . Disc

2 360/122 (0 OR, 2 XR)

Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
360/324.1 ... Having one film pinned (e.g., spin valve)
360/122 . Head surface structure

2 360/322 (1 OR, 1 XR)

Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
360/110 HEAD
360/313 . Magnetoresistive (MR) reproducing head
360/322 .. Detail of sense conductor

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2 360/324.12 (1 OR, 1 XR)
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
360/110 HEAD
360/313 .Magnetoresistive (MR) reproducing head
360/324 ..Having Giant Magnetoresistive (GMR) or
Colossal Magnetoresistive (CMR) sensor fo
rmed of multiple
thin films
360/324.1 ...Having one film pinned (e.g., spin valve)
360/324.12Detail of free layer or additional film fo
r
affecting or biasing the free layer

2 360/327.31 (2 OR, 0 XR)
Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
RETRIEVAL
360/110 HEAD
360/313 .Magnetoresistive (MR) reproducing head
360/327 ..Having Anisotropic Magnetoresistive (AMR)
sensor formed of a single thin film
360/327.3 ...Detail of longitudinal biasing
360/327.31Using a permanent magnet

2 369/126 (1 OR, 1 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/99 SPECIFIC DETAIL OF INFORMATION HANDLING PORTIO
N
369/126 OF SYSTEM
.Electrical modification or sensing of storage
medium (e.g., capacitive, resistive, elect
ostatic charge)

2 369/13.35 (2 OR, 0 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/13.01 STORAGE OR RETRIEVAL BY SIMULTANEOUS
APPLICATION OF DIVERSE TYPES OF ELECTROMA
GNETIC RADIATION
369/13.02 .Magnetic field and light beam
369/13.35 ..Specific detail of recording medium

2 369/275.1 (2 OR, 0 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/272 STORAGE MEDIUM STRUCTURE
369/275.1 .Optical track structure (e.g., phase or

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differacting structure, etc.)

- 2 369/275.3 (1 OR, 1 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/272 STORAGE MEDIUM STRUCTURE
369/275.1 .Optical track structure (e.g., phase or
differacting structure, etc.)
369/275.3 ..Track data format/layout
- 2 369/286 (0 OR, 2 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/272 STORAGE MEDIUM STRUCTURE
369/283 .Layered (e.g., permanent protective layer)
369/286 ..Laminated or unified discrete layers
- 2 369/287 (0 OR, 2 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/272 STORAGE MEDIUM STRUCTURE
369/287 .Flexible
- 2 369/288 (0 OR, 2 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/272 STORAGE MEDIUM STRUCTURE
369/288 .Specified material
- 2 369/94 (0 OR, 2 XR)
Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL
369/93 SYSTEMS HAVING PLURAL PHYSICALLY DISTINCT
INDEPENDENT TRACKS ON A SINGLE STORAGE MED
IUM SURFACE
369/94 .Having layered storage medium
- 2 427/132 (0 OR, 2 XR)
Class 427 : COATING PROCESSES
427/127 MAGNETIC BASE OR COATING
427/128 .Magnetic coating
427/132 ..Metal coating
- 2 428/678 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/544 ALL METAL OR WITH ADJACENT METALS
428/615 .Composite; i.e., plural, adjacent, spatially
distinct metal components (e.g., layers,
joint, etc.)
428/655 ..Transition metal-base component
428/668 ...Group VIII or IB metal-base component
428/678Co-, Fe-, or Ni-base components,
alternative to each other

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- 2 428/694BA (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/688 .Of inorganic material
428/689 ..Metal-compound-containing layer
428/692 ...Defined magnetic layer
428/694RDynamic recording medium
428/694BBinder containing magnetic layer
428/694BAMagnetic particle with specified shape o

r dimension
- 2 428/694BM (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/688 .Of inorganic material
428/689 ..Metal-compound-containing layer
428/692 ...Defined magnetic layer
428/694RDynamic recording medium
428/694BBinder containing magnetic layer
428/694BMMultiple magnetic layers
- 2 428/694T (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/688 .Of inorganic material
428/689 ..Metal-compound-containing layer
428/692 ...Defined magnetic layer
428/694RDynamic recording medium
428/694TMetal thin film magnetic layer
- 2 428/694TM (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
428/688 .Of inorganic material
428/689 ..Metal-compound-containing layer
428/692 ...Defined magnetic layer
428/694RDynamic recording medium
428/694TMetal thin film magnetic layer
428/694TMMultiple magnetic layer
- 2 428/913 (0 OR, 2 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/913 MATERIAL DESIGNED TO BE RESPONSIVE TO
TEMPERATURE, LIGHT, MOISTURE, ETC.
- 2 430/270.12 (0 OR, 2 XR)

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Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
COMPOSITION, OR PRODUCT THEREOF

430/269 IMAGING AFFECTING PHYSICAL PROPERTY OF
RADIATION SENSITIVE MATERIAL, OR PRODUCI

NG NONPLANAR OR
OR PRODUCT

430/270.1 .Radiation sensitive composition or product or
process of making

430/270.11 ..Optical recording nonstructural layered
product having a radiation sensitive compo
sition layer
claimed or solely disclosed as optically r
eorderable and
optically machine readable

430/270.12 ...Having read-write layer of 100 per cent
inorganic composition

2 430/964 (0 OR, 2 XR)

Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
COMPOSITION, OR PRODUCT THEREOF

430/964 THERMAL IMAGING COMPOSITION